

Converting Colors

CIELCh(42, 7.062, 185.775)

Have a look what the booklet for
CIELCh(42, 7.062, 185.775) contains.

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Color

CIELCh(42, 7.098, 183.743)

Conversions

Conversions Part 1

Format	Color
Hex	566764
RGB	86, 103, 100
RGB Percent	34%, 40%, 39%
CMY	0.6642, 0.5975, 0.6093
CMYK	0.17, 0.00, 0.03, 0.60
HSL	169°, 9%, 37%
HSV	169°, 17%, 40%
XYZ	10.8994, 12.5000, 13.8005
YIQ	97.5750, -9.1690, -4.5370

Conversions

Conversions Part 2

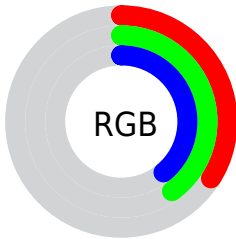
Format	Color
R_{YB}	86, 95, 103
Decimal	5662564
CIE _{Lab}	42.00, -7.08, -0.46
CIE _{LCh}	42, 7.098, 183.743
Yxy	12.5000, 0.2930, 0.3360
Android (android.graphics.Color)	4283852644 (0xFF566764)
YUV	97.5750, 1.1955, -10.1513
Hunter-Lab	35.3553, -6.8435, 1.6057

Details

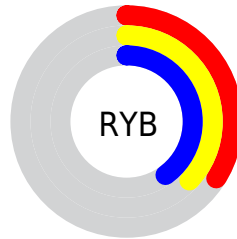
The CIELCh color **42, 7.098, 183.743** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 7.585, 6.523**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 7.009, 184.901**, and **22, 7.315, 182.022** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.173, 182.850**, and if you desaturate by 10%, it is **43, 2.851, 184.638**.

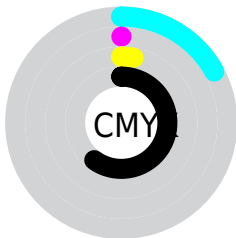
Distribution



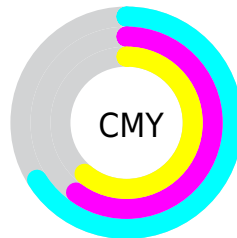
- Red (34%)
- Green (40%)
- Blue (39%)



- Red (34%)
- Yellow (37%)
- Blue (40%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)



- Cyan (66%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.098, 183.743 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 42, 7.098, 183.743 by changing the saturation by 10% instead.

■ 42, 7.098, 183.743

■ 42, 7.098, 183.743

■ 100, 7.098,
183.743

■ 32, 7.098, 183.743

■ 62, 7.098, 183.743

■ 22, 7.098, 183.743

■ 72, 7.098, 183.743

■ 12, 7.098, 183.743

■ 82, 7.098, 183.743

■ 2, 7.098, 183.743

■ 92, 7.098, 183.743

■ 0, 7.098, 183.743

■ 42, 7.098, 183.743

■ 42, 7.098, 183.743

■ 41, 11.173,
182.850

■ 43, 2.851, 184.638

■ 41, 15.010,

■ 44, 1.516, 5.121

181.927

45, 5.953, 6.056

40, 18.547,
180.953

46, 10.420, 6.834

40, 21.719,
179.912

47, 14.885, 7.577

39, 24.473,
178.787

48, 19.325, 8.295

39, 26.770,
177.560

51, 28.058, 9.668

39, 28.596,
176.210

52, 32.330, 10.326

38, 30.061,
174.782

38, 30.564,
174.316

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42, 7.098, 183.743



38, 7.585, 6.523

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42, 7.098, 183.743



42, 7.098, 233.743



42, 7.098, 3.743



42, 7.098, 53.743

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42, 7.099, 183.737



55, 2.687, 184.784



42, 11.848, 138.557



28, 1.818, 184.732



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 7.099, 183.737



53, 10.511, 183.385



40, 5.575, 235.054



21, 2.422, 184.415



43, 33.169, 174.081



86, 58.269, 172.972

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38, 7.585, 6.523



48, 11.423, 6.959



40, 6.063, 52.480



19, 2.509, 5.744



23, 51.196, 28.654



51, 91.641, 32.126

Previews

White Background



This preview shows how the CIELCh color 42, 7.098, 183.743 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 7.098, 183.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

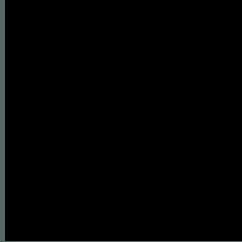
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 7.098, 183.743

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.098, 183.743.



This preview shows how white text looks on a background with the CIELCh color 42, 7.098, 183.743.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

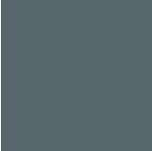
42, 7.098, 183.743

Protanopia

42, 1.389, 45.024

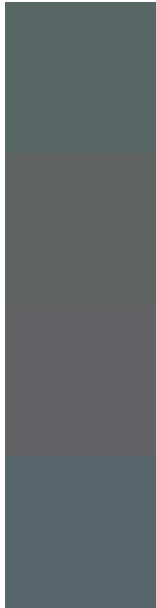
Deuteranopia

42, 5.515, 346.971



Tritanopia
42, 7.160, 241.607

Trichromacy



Original Color
42, 7.098, 183.743

Protanomaly
42, 2.406, 169.115

Deuteranomaly
42, 1.871, 303.178

Tritanomaly
42, 6.303, 221.421

Monochromacy



Original Color
42, 7.098, 183.743

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 2.550, 185.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.098, 183.743 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(86, 103, 100)` looks like.

```
.text, #text, p{  
    color:rgb(86, 103, 100)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(86, 103, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 103, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.098, 183.743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 103, 100) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(86, 103, 100) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(86, 103, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 103, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 103, 100);  
box-shadow:4px 4px 4px 4px rgb(86, 103,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.098, 183.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 103, 100) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(86, 103,  
100) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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